

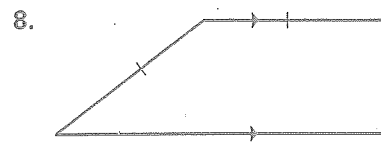
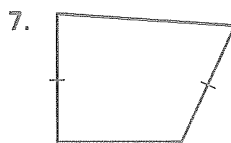
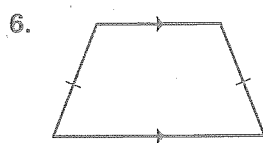
Practice A

For use with pages 331–336

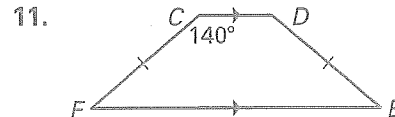
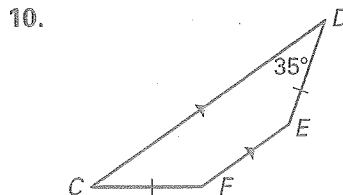
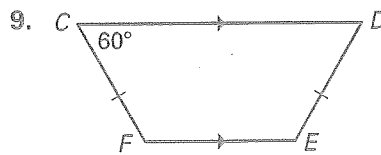
Match the key words with the descriptive phrase.

- | | |
|------------------------------|---|
| 1. trapezoid | A. a segment that connects the midpoints of the legs of a trapezoid |
| 2. bases of a trapezoid | B. a quadrilateral with exactly one pair of parallel sides |
| 3. legs of a trapezoid | C. the parallel sides of a trapezoid |
| 4. midsegment of a trapezoid | D. a trapezoid that has congruent legs |
| 5. isosceles trapezoid | E. the nonparallel sides of a trapezoid |

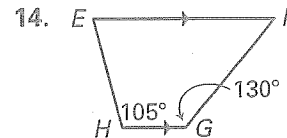
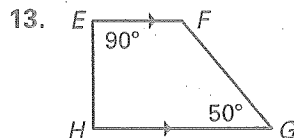
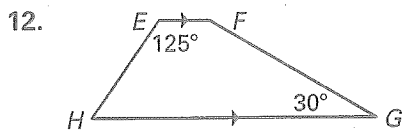
Decide whether the quadrilateral is a *trapezoid*, an *isosceles trapezoid*, or *neither*.



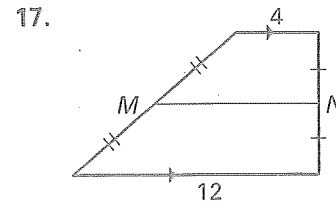
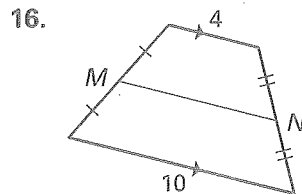
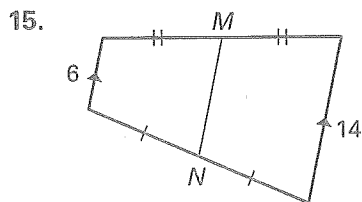
CDEF is an isosceles trapezoid. Find the missing angle measures.



EFGH is a trapezoid. Find the missing angle measures.



Find the length of the midsegment \overline{MN} of the trapezoid.

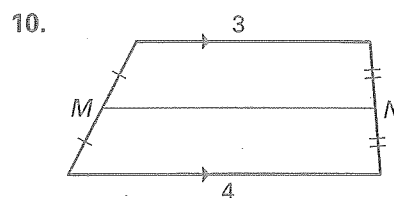
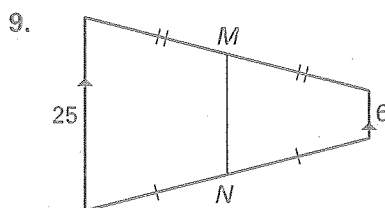
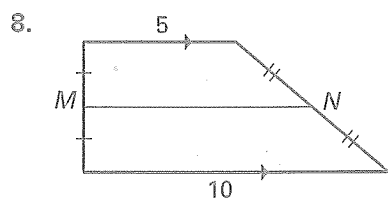


Practice B

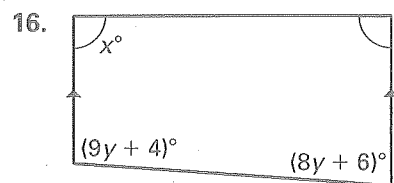
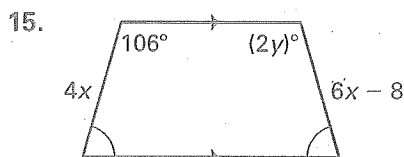
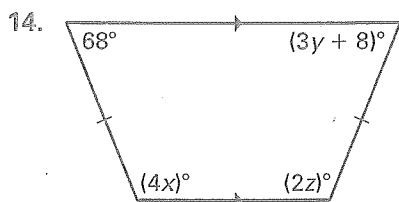
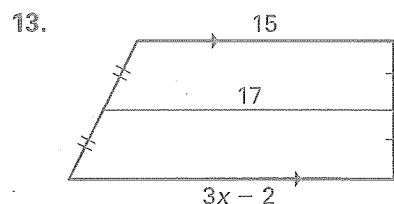
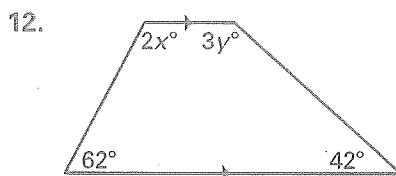
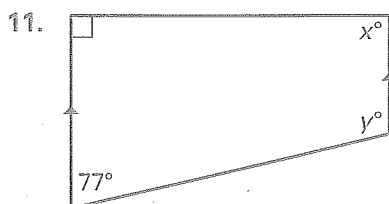
For use with pages 331–336

Supply the missing word to complete the statement.

1. If a trapezoid is isosceles, then each pair of base angles is ?.
2. If a trapezoid has a pair of congruent ? angles, then it is isosceles.
3. The length of the ? of a trapezoid is half the sum of the lengths of the bases.
4. A trapezoid is a quadrilateral with exactly one pair of ? sides.
5. If the legs of a trapezoid are ?, then the trapezoid is an isosceles trapezoid.
6. The parallel sides of a trapezoid are the ?.
7. The nonparallel sides of a trapezoid are the ?.

Find the length of the midsegment \overline{MN} of the trapezoid.

Find the value of the variable(s).

The vertices of a trapezoid are $A(2, 2)$, $B(5, 2)$, $C(2, 4)$ and $D(5, 6)$.

17. Plot the vertices in a coordinate plane. Connect them to form trapezoid $CDBA$.
18. Name the bases of trapezoid $CDBA$.
19. State the length of each base.
20. State the length of the midsegment of trapezoid $CDBA$.